

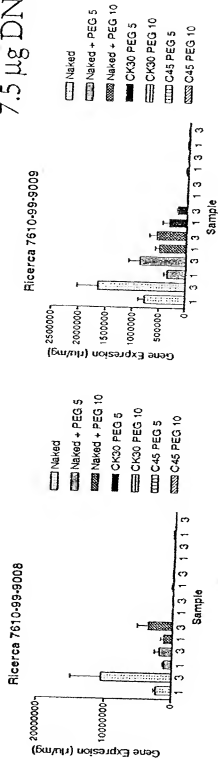
7.5  $\mu$ g DNA

Ricerca 7610-99-9007



Fig. 1

7.5  $\mu$ g DNA



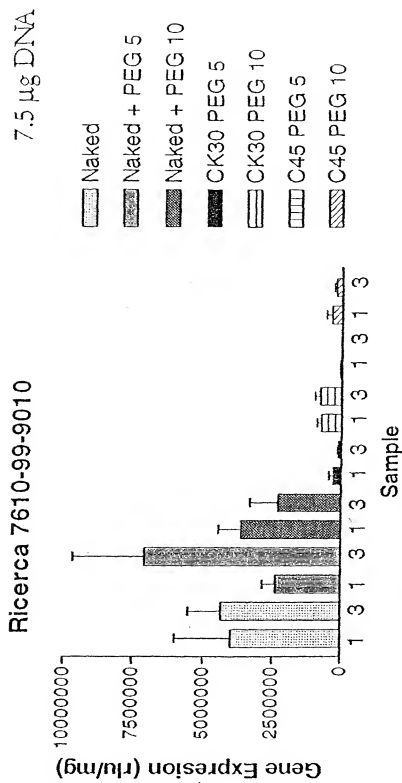


Fig. 3

7.5  $\mu$ g DNA

Ricerca 7610-99-9011

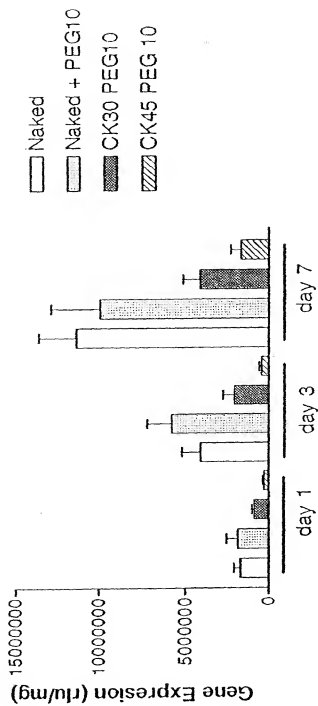


Fig. 4

Ricerca 7610-99-9013

7.5  $\mu$ g DNA

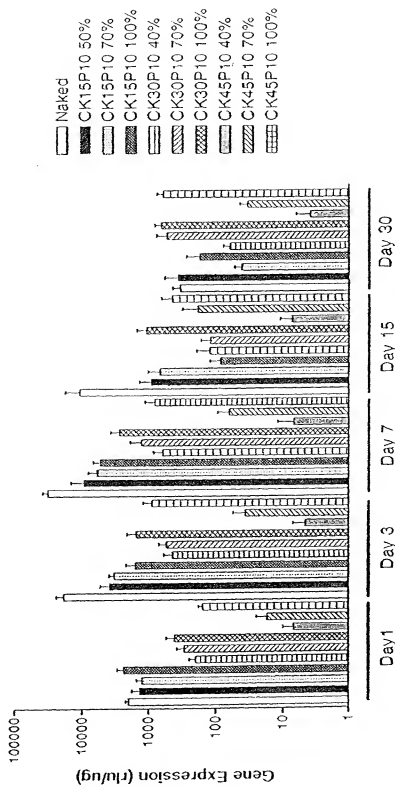
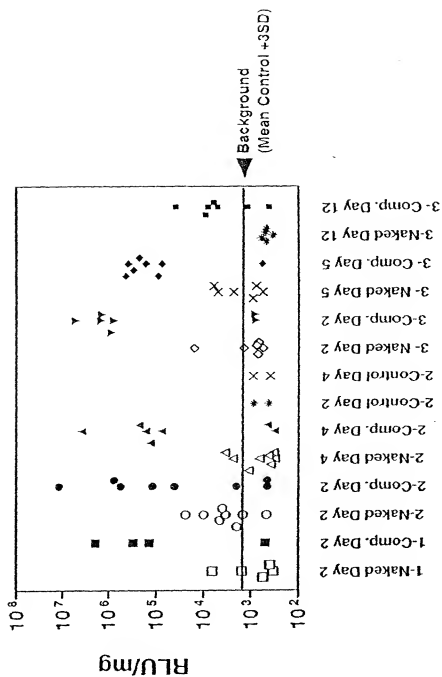


Fig. 5

Fig. 9



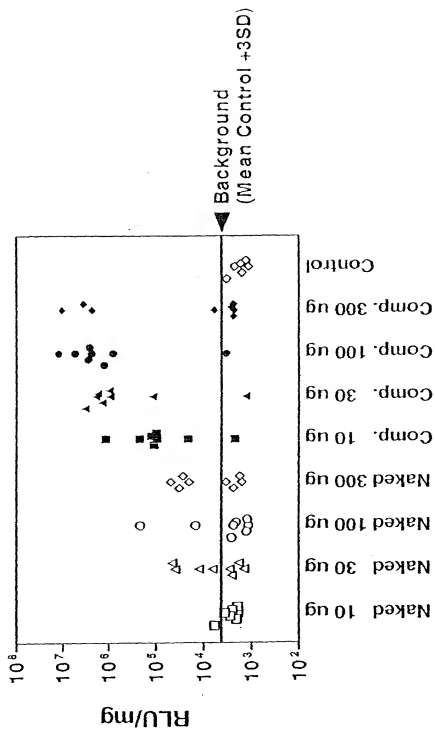


Fig. 7A

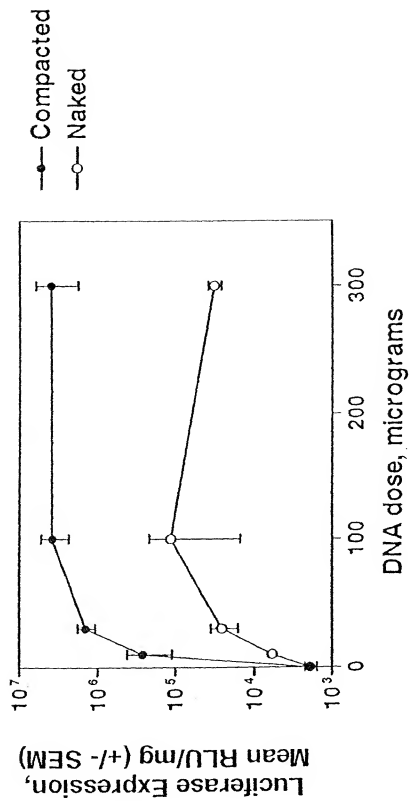


Fig. 7B



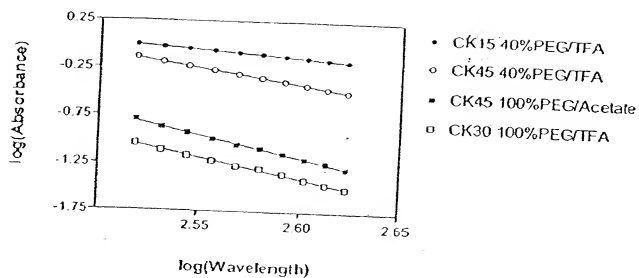
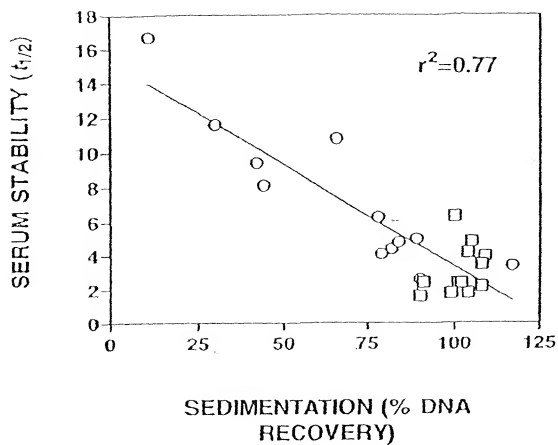


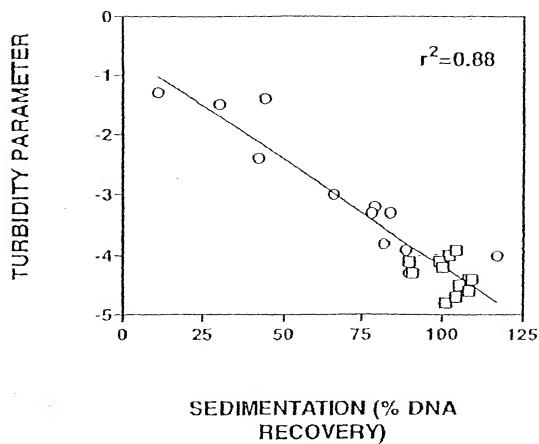
Fig. 8



○ Type A Formulations

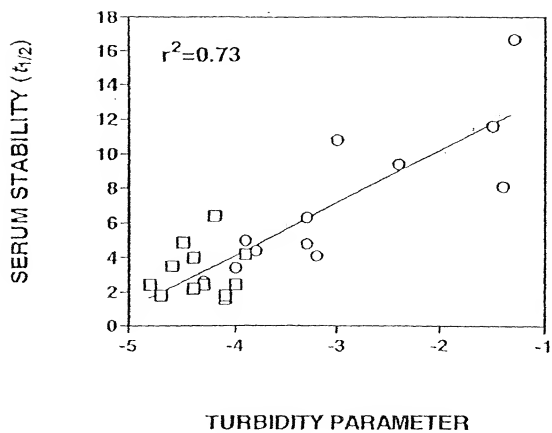
□ Type B Formulations

Fig. 9A



- Type A Formulations
- Type B Formulations

Fig. 9B



- Type A Formulations
- Type B Formulations

Fig. 9C

PROPERTIES OF VARIOUS PLAS<sub>min</sub><sup>TM</sup> FORMULATIONS

Formulation #	Counterion	Polylysine	PLG Content (%)	t <sub>0.9</sub> In Serum (h)	Turbidity Patience (x)	Sedimentation (%)
1	TFA	CK <sub>15</sub>	40	11.6	-1.5	30
2			60	10.8	-3.0	66
3			80	9.4	-2.4	42
4			100	16.7	-1.3	11
5			40	8.1	-1.4	44
6	TFA	CK <sub>30</sub>	60	4.1	-3.2	79
7			80	3.4	-4.0	117
8			100	2.6	-4.3	90
9			40	6.3	-3.3	78
10			60	4.4	-3.8	82
11	TFA	CK <sub>45</sub>	80	4.8	-3.3	84
12			100	5.0	-3.9	89
13			40	2.4	-4.8	101
14			60	1.8	-4.7	104
15			80	1.6	-4.1	90
16	Acetate	CK <sub>15</sub>	100	2.4	-4.0	102
17			40	1.8	-4.1	99
18			60	2.4	-4.3	91
19			80	2.2	-4.4	108
20			100	4.0	-4.4	109
21	Acetate	CK <sub>30</sub>	40	6.4	-4.2	100
22			60	4.2	-3.9	104
23			80	4.9	-4.5	105
24			100	3.5	-4.6	108

Fig. 9D

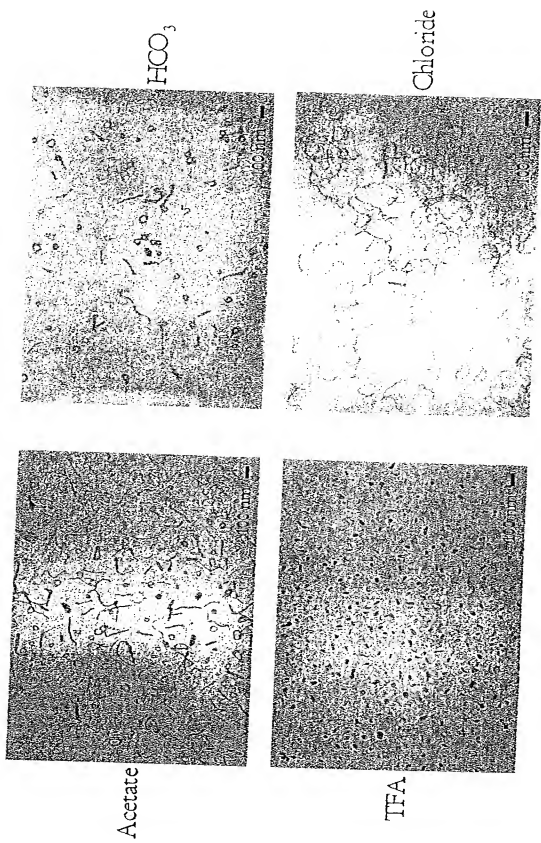


Fig. 10

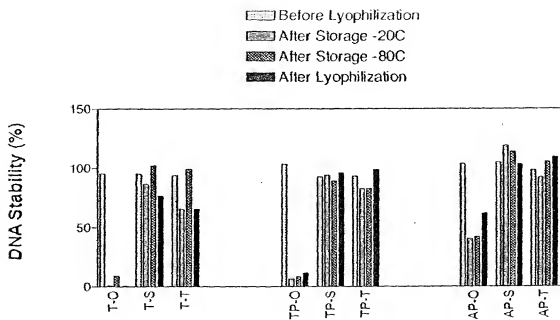


Fig. 11

Sample	Before Lyophilization	After Lyophilization
CK30TFA		
Original		
0.5M Sucrose	-4.31	ppt
0.5 M Trehalose	-3.81	-4.10
CK30P10k - TFA	-4.70	-4.01
Original		
0.5M Sucrose	-4.51	NE-4.61
0.5 M Trehalose	-4.15	
CK30P10k - Acetate	-4.65	-4.66
Original		-3.86
0.5M Sucrose	-4.76	
0.5 M Trehalose	-4.56	-3.32
	-4.57	-4.39

Fig. 12



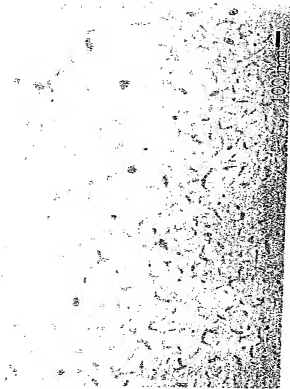


BEFORE

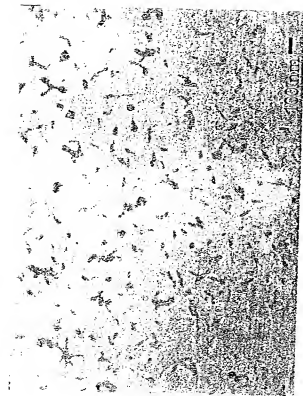


AFTER

Fig. 13



BEFORE



AFTER

Fig. 14

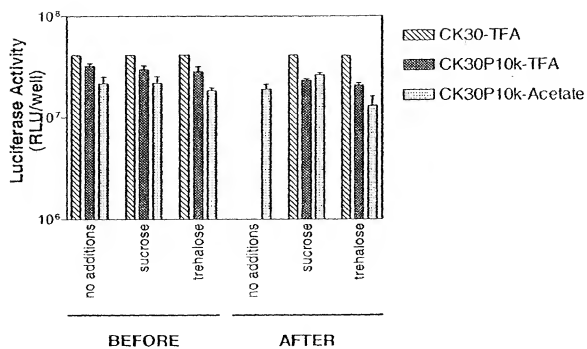


Fig. 15

Polylysine	Counterion	DNA Recovery	Turbidity Parameter
CK30P10k	Acetate	100	-4.2
	Bicarbonate	98	-4.0
	Chloride	101	-5.2'
	TFA	97	-4.6
CK45P10k	Chloride	105	-4.0

Fig. 16

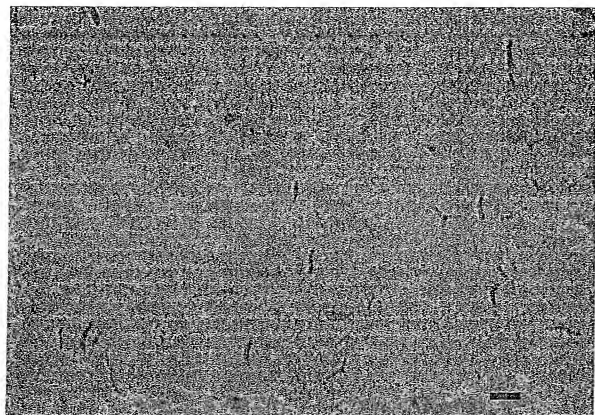


Fig. 17

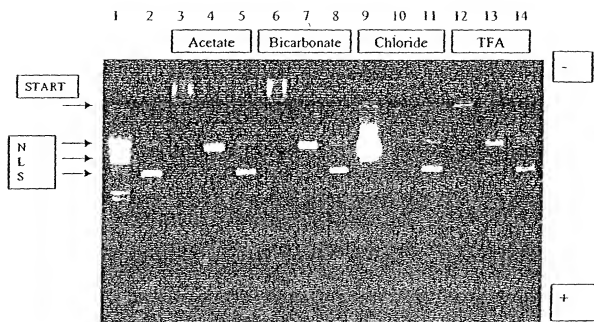


Fig. 18

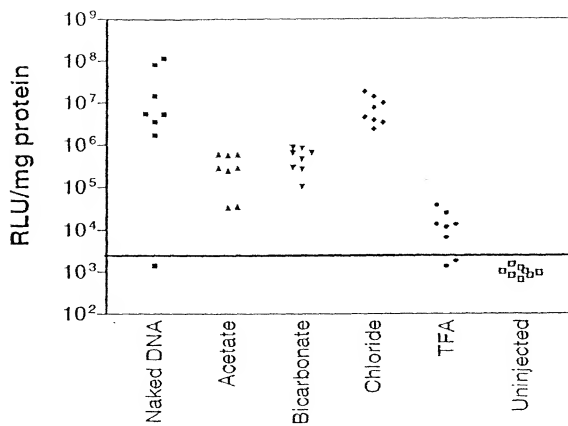


Fig. 19

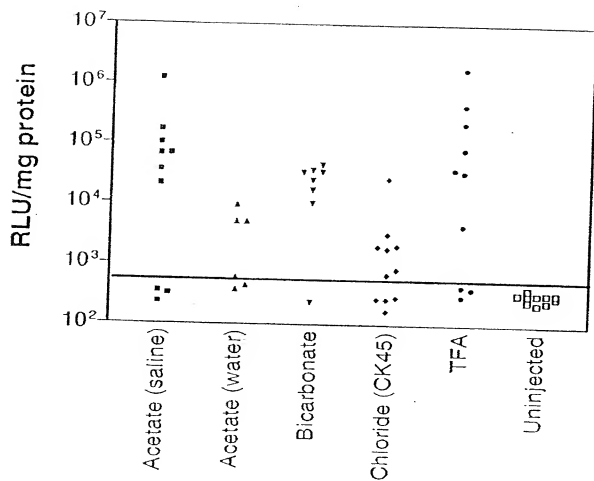


Fig. 20